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Claims:

communication interface; and

1	1. For use in a communication interface for communication between a
2	personal data assistant (PDA) and the communication interface, the communication
3	interface being configured to communicate with other devices via the internet and being
4	further configured to facilitate data communication between the PDA and other devices, a
5	computer readable medium having stored thereon a plurality of sequences of instructions,
6	said sequences of instructions including instructions that, when executed by a processor,
7	cause said processor to perform the steps of:
8	receiving from a PDA a data packet having a header configured under a first
9	format with the communication interface;
10	re-configuring the received data packet under a second format with the

2. A computer readable medium according to claim 1, wherein the step of receiving the data packet further includes receiving a data packet having a header containing data information including the intended destination of the data packet and the size of the data packet.

transmitting the re-configured data packet to a destination device.

- 3. A computer readable medium according to claim 1, wherein the step of reconfiguring the data packet further includes the steps of:

 separating the header information from the data sent together in the data packet;

 generating a new header under a second format; and

 generating a new data packet having a newly configured header and the data

 received in the original data packet.
 - 4. A computer readable medium according to claim 3, wherein the step of generating a new header under the second format further includes the steps of:

 generating at least one header from the group including a TCP header and an IP header.

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1	5.	A computer readable medium according to Claim 3, wherein the step of			
2	generating a	new header under the second format further includes the steps of generating			
3 .	a new packet under a TCP/IP protocol.				
		A commuter woodship medium according to Claim 1, wherein the step of			
1	6.	A computer readable medium according to Claim 1, wherein the step of			
2	configuring the header further includes the steps of:				
3	separating the header information from the data sent in the data packet; and				
4	generating a newly configured data packet from the header information and the				
5	data received	d in the original data packet.			
1	7.	A computer readable medium according to Claim 6, wherein the step of			
2	generating a newly configured data packet includes generating a new data packet with a				
3	new header configured under the second format.				
1	8.	A computer readable medium according to Claim 1, further comprising:			
2	recei	ving another data packet configured under the second format at the			
3	communications interface;				
4		guring a header for a new packet according to the first format from the			
5	second form				
6		mitting the second reconfigured packet from the communications interface to			
7	the PDA.				
1	9.	A computer readable medium according to Claim 8, wherein configuring			
2		f the data packet from the second format to the first format includes			
3	reconfiguring the first data packet from a data packet having a header configured under				
4	the TCP/IP protocol to a data packet having a header configured under the OBEX				
5	protocol.	orotovor to a data paritot harming a nonder consignment and a second			
,	protocon				
1	10.	A computer readable medium according to Claim 8, wherein the step of			
2	configuring	a header for a new data packet according to the first format includes			

reconfiguring payload data sent with the second reconfigured packet.

11. A communication interface configured to exchange digital data packets
having communication headers with a computer server, wherein the data packets are
configured under a first format with a PDA and to exchange digital data packets
configured under a second format, comprising:
a parser configured to separate the header information from other information
included within the data packet;
a packet converter configured to convert the data packet transmitted from the
PDA under the first format to the second format, the packet converter including a data

a data packet generator configured to generate a second data packet using the header information and other information included in the original data packet sent by the PDA; and

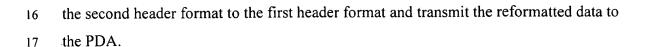
converter configured to configure data from one format to another format and a header

generator configured to generate a header configured under the first header format;

a data transmitter configured to transmit data to a destination device.

- 12. A communication interface according to Claim 11, wherein the packet converter is configured convert a data packet sent by a PDA, wherein the data packet includes a header and data payload, to a second data packet configured under the second format.
- 13. A communication interface according to Claim 12, wherein the packet converter is configured to reformat the first data packet according to the second format and wherein the second format includes a header that is configured under the second format.
- 14. A communication interface according to Claim 12, wherein the packet converter is configured to reformat the first data packet according to the second format, wherein the second format includes a header that is configured under the second format and wherein the second format further includes a data payload that is also reformatted under the second format.

- 1 15. A communication interface according to Claim 11, wherein the packet converter is configured convert a data packet sent by a second device communicating with the communication interface, wherein the data packet includes a header and data payload, to a third data packet configured under the first format.
 - 16. A communication interface according to Claim 15, wherein the packet converter is configured to reformat the second data packet according to the first format and wherein the first format includes a header that is configured under the first format.
 - 17. A communication interface according to Claim 15, wherein the packet converter is configured to reformat the second data packet according to the first format, wherein the first format includes a header that is configured under the first format and wherein the first format further includes a data payload that is also reformatted under the first format.
 - 18. A system for communicating between a personal data assistant (PDA) and a computer comprising:
 - a PDA having a processor configured to process digital data configured under a first header format, a memory for storing data, a wireless data transmitter for transmitting data configured under the first header format to a remote location, and a receiver configured to receive data configured under the first header format from a source location;
 - a computer server configured to send, receive and process data formatted under a second header format; and
 - a communication interface having a data processor that is configured to send and receive digital data configured under the first header format to and from the PDA respectively, to send and receive digital data configured under the second header format to and from the computer server respectively, to receive and convert data transmitted under the first header format to the second header format and transmit the reformatted data to the computer server and to receive and convert data transmitted under



- 19. A system according to Claim 18 wherein the first header format is configured under an object exchange (OBEX) protocol, and wherein the second format is configured under a TCP/IP protocol.
- 20. A system according to Claim 18, wherein the PDA is configured to transmit data configured under the first header format from the PDA to the communication interface, wherein the communication interface is configured to reformat the received header with the second header format and to transmit the data packet with the new header to the computer server, wherein the communication interface is further configured to receive a second data packet sent by the computer server and reformat the header associated with the second data packet under the first protocol and to transmit the configured processed data to the PDA, and wherein the PDA is configured to receive and to process the configured processed data.
 - 21. A system according to Claim 18, wherein the PDA is configured to transmit data configured under the first header format from the PDA to the communication interface, wherein the communication interface is configured to configure the received header with the second header format and to transmit the data packet with the new header to the computer server, wherein the computer server is configured to process the received data and to transmit the processed data, which is configured under the second header format, to the communication interface, wherein the communication interface is configured to configure the header of the processed data under the first protocol and to transmit the configured processed data to the PDA, and wherein the PDA is configured to receive and to process the configured processed data.
 - 22. A method of communicating between a personal data assistant (PDA) and a computer server via a communication interface, comprising:
 - transmitting data having a header configured under a first format from the PDA to the communication interface;
 - configuring the header associated with the received data with the second format with the communication interface and transmitting the translated data to the computer server;

8	processing the received data with the computer server;				
9	transmitting the processed data to the communication interface;				
10	configuring the header of the processed data having the header configured under				
11	the first format with the communication interface;				
12 .	transmitting the processed data having the reconfigured header to the PDA; and				
13	receiving and processing processed data having the reconfigured header with the				
14	PDA.				
1	23. A method of facilitating communication between a personal data assistant				
2	(PDA) and a computer server via a communication interface, comprising:				
3	receiving a data packet having a header configured under a first protocol from a				
4	PDA to the communication interface;				
5	configuring the header of the received data packet to a second protocol with the				
6	communication interface and transmitting the translated data to the computer server;				
7	receiving processed data from the computer server;				
8	configuring the processed data under the first protocol with the communication				
9	interface; and				
10	transmitting the configured processed data to the PDA.				

1 24. A method of facilitating communication between a personal data assistant
2 (PDA) and a computer server via a communication interface, comprising:
3 receiving a data packet having a header configured under the OBEX protocol
4 from a PDA to the communication interface;
5 configuring the header of the received data packet to a header configured under
6 the TCP/IP protocol with the communication interface and transmitting the reconfigured
7 data packet to the computer server;

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and

8	receiving a second data packet from the computer server, wherein the second data
9	packet includes a header configured under the TCP/IP protocol;
10	creating a third data packet by reconfiguring the header of the received packet
11	under the OBEX protocol with the communication interface; and
12	transmitting the third data packet to the PDA.

A method of facilitating communication between a personal data assistant 25. (PDA) and a computer server via a communication interface, comprising: receiving a data packet by a communication interface from a PDA, wherein the 3 data packet is configured under a first format and includes a request to perform a process 4 on the data packet; reformatting the data packet with the communication interface to a universal 6 7 format for transmission to other devices; and transmitting the reformatted data packet to a device. 8 26. A method according to Claim 25 further comprising: receiving a data packet from the device; 2 reformatting the data packet to a second data packet according to the first format; 3

transmitting the second data packet to the PDA.

l		27.	A method according to Claim 25 further comprising:
2		perfor	ming a processing operation on the data packet with the device;
3		receiv	ing a data packet from the device;
4		reform	natting the data packet to a second data packet according to the first format;
5	and		
۲		trancn	nitting the second data packet to the PDA